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Title: Contact lens for myopia and/or astigmatism correction

Application Number	01136941	Application Date	2001.12.25
Publication Number	1420380	Publication Date	2003.05.28
Priority Information	JP2001-3512572001/11/16		
International Classification	G02C7/04		
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Patent Agency Code	11243	Patent Agent	xiong zhicheng

Abstract

The present invention is a myopia and/or astigmatism-correcting contact lens for correcting myopia and/or astigmatism based on the alteration in the shape of a patient's cornea. The myopia and/or astigmatism-correcting contact lens comprises: a pressure zone having a first surface defined by the inner surface located on the side of the patient's cornea and positioned at the center of the contact lens; a relief zone having a concave-shaped second surface defined by the inner surface located on the side of the patient's cornea and positioned at the periphery of the pressure zone; and an anchor zone, having a concave-shaped third surface defined by the inner surface. In order to make the first surface have a curvature determined based on the shape of the patient's cornea to induce a specific desired alteration in the shape of the patient's cornea, each of the curvatures of the first, second and third surfaces is arranged to satisfy the following formulas, $RC = BC + 7.0 - 9.0 \text{ D}$ (diopter), and $AC = BC + 2.0 - 4.0 \text{ D}$ where BC is the curvature of the first surface, RC is the curvature of the second surface, AC is the curvature of the third surface and D is the diopter.

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